

MC0330X, MC0530X, MC0630X, MC0830X, MC1030X Service Parts

This part list contains the service parts for the air cooled and water cooled MC0330X, MC0530X, MC0630X, MC0830X, MC1030X ice machines. The models covered in this part list may vary in cube size, electrical voltage, cabinet height and condensing system.

To avoid costly and time consuming errors, double check the model and voltage before ordering a part. Avoid ordering the part number printed on the part, it is a production part number. Service part numbers can be different. Look up the part number in the parts list.

Note: These abbreviations are used in this list:

- AC = Air Cooled
- WC = Water Cooled
- RC = Remote Cooled
- HGV = Hot Gas Valve
- TXV = Thermostatic Expansion Valve
- Volt = Voltage
- Sol Vlv = Solenoid Valve
- Hdwe = Hardware

Contents

Cabinet - MC0330X, MC0530X, MC0630X	Page 3
Cabinet - MC0830X, MC1030X	Page 4
Interior Parts.	Page 5
Evaporator Compartment.. . . .	Page 6
Fan and Condenser Area MC0330X Air Cooled	Page 7
Fan and Condenser Area MC0530X thru MC0830X Air Cooled	Page 8
Fan and Condenser Area MC1030X Air Cooled	Page 9
Air Cooled Refrigeration System.	Page 10
Water Cooled Refrigeration System MC0330X thru MC0830X.	Page 11
Water Cooled Refrigeration System MC1030X	Page 12
Water Cooled Back Panel	Page 13
Electrical and Control Box.	Page 14
Compressors	Page 15
Compressor Mounting Hardware / Crankcase Heater	Page 16
Wiring Diagram MC0330X, MC0530X or MC0630X	Page 17
Schematic Diagram MC0330X, MC0530X or MC0630X	Page 18

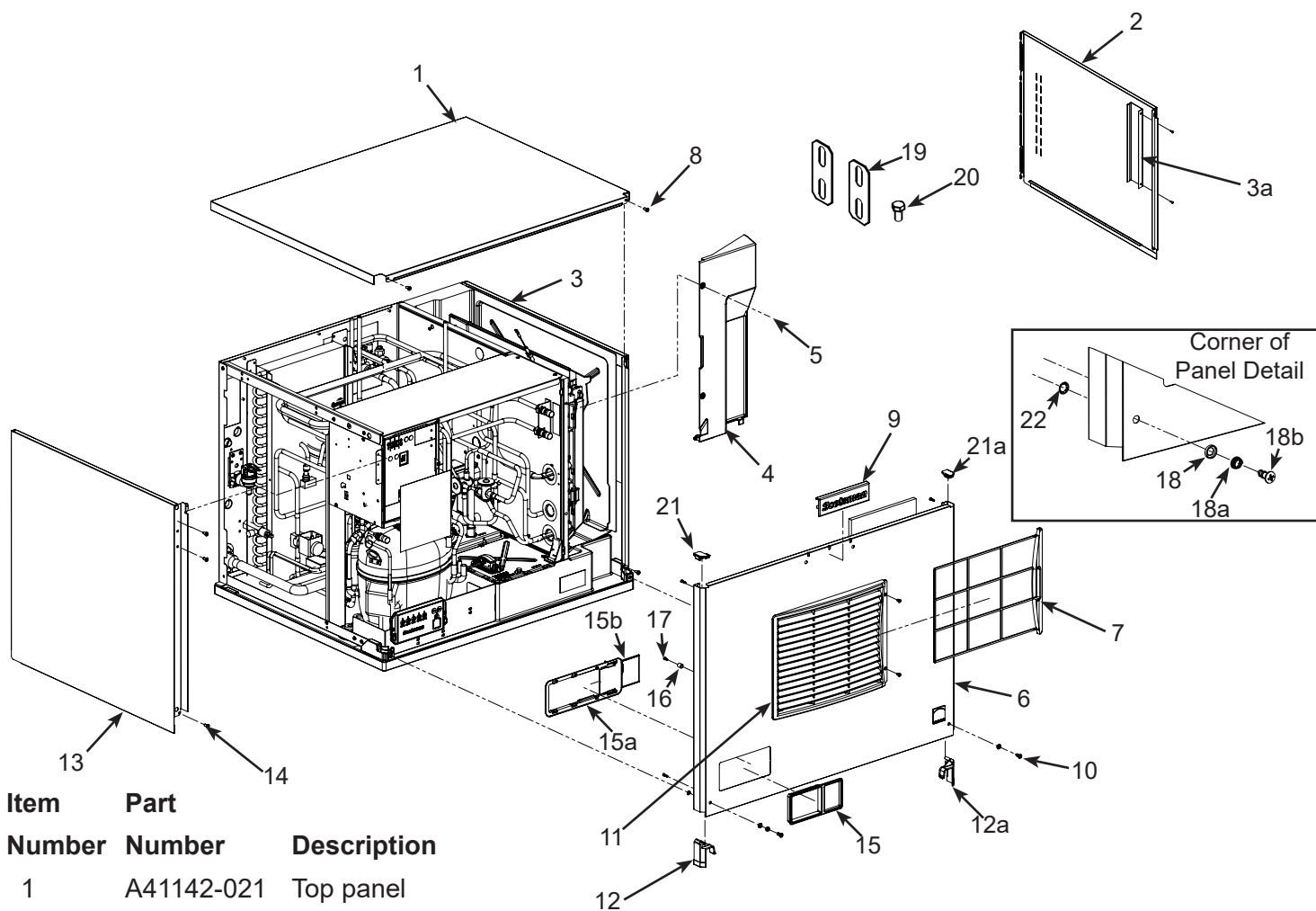
MC0330X, MC0530X, MC0630X, MC0830X, MC1030X Service Parts

Wiring Diagram MC0830X MC1030X Air or Water -32 Page 19

Schematic Diagram MC0830X MC1030X Air or Water -32 Page 20

MC0330X, MC0530X, MC0630X, MC0830X, MC1030X Service Parts

Cabinet - MC0330X, MC0530X, MC0630X

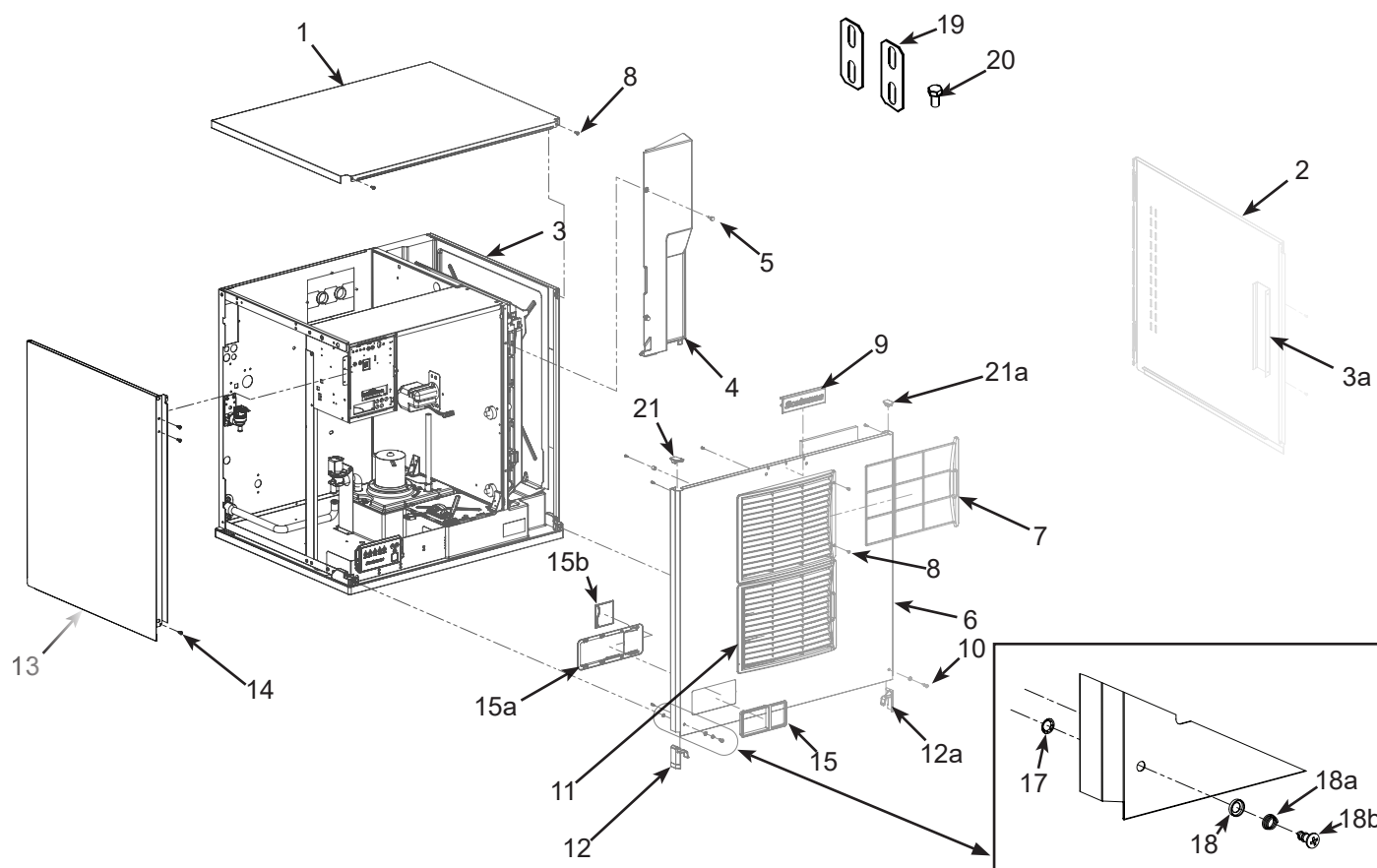


Item Number	Part Number	Description
1	A41142-021	Top panel
2	A41144-021	Right side panel
3	02-4336-01	Right side liner
3a	A40511-001	Liner bracket
4	02-4240-01	Evaporator cover
5	03-0727-05	Thumbscrew
6	A41141-021	Front panel, AC*
	A41141-022	Front panel, WC*
7	02-4212-03	Air filter
8	03-1419-26	Screw
9	02-5154-01	Emblem
10	03-1735-03	Screw
11	02-4224-03	Louvers
11A	03-1419-26	Screw
12	02-5141-01	Bottom left corner
12a	02-5142-02	Bottom right corner
13	A41143-021	Left side panel, air
	A41143-022	Left side panel, water
14	03-1404-10	Screw
15	02-5142-01	Bezel with standard door
15a	02-5143-01	Door, bezel
15b	02-5143-02	Door, bezel secure
16	02-4824-01	Spacer
17	03-1731-02	Screw
18	03-1731-04	Cupped washer
18a	03-1731-03	Spring
18b	03-3838-02	Screw
19	A30911-015	Machine straps
20	03-1405-15	Screw
21	02-5140-01	Top left corner
21a	02-5140-02	Top right corner
22	03-1731-01	Retainer

* Front panels are complete, including air filters and all trim, bezels, labels and screws.

MC0330X, MC0530X, MC0630X, MC0830X, MC1030X Service Parts

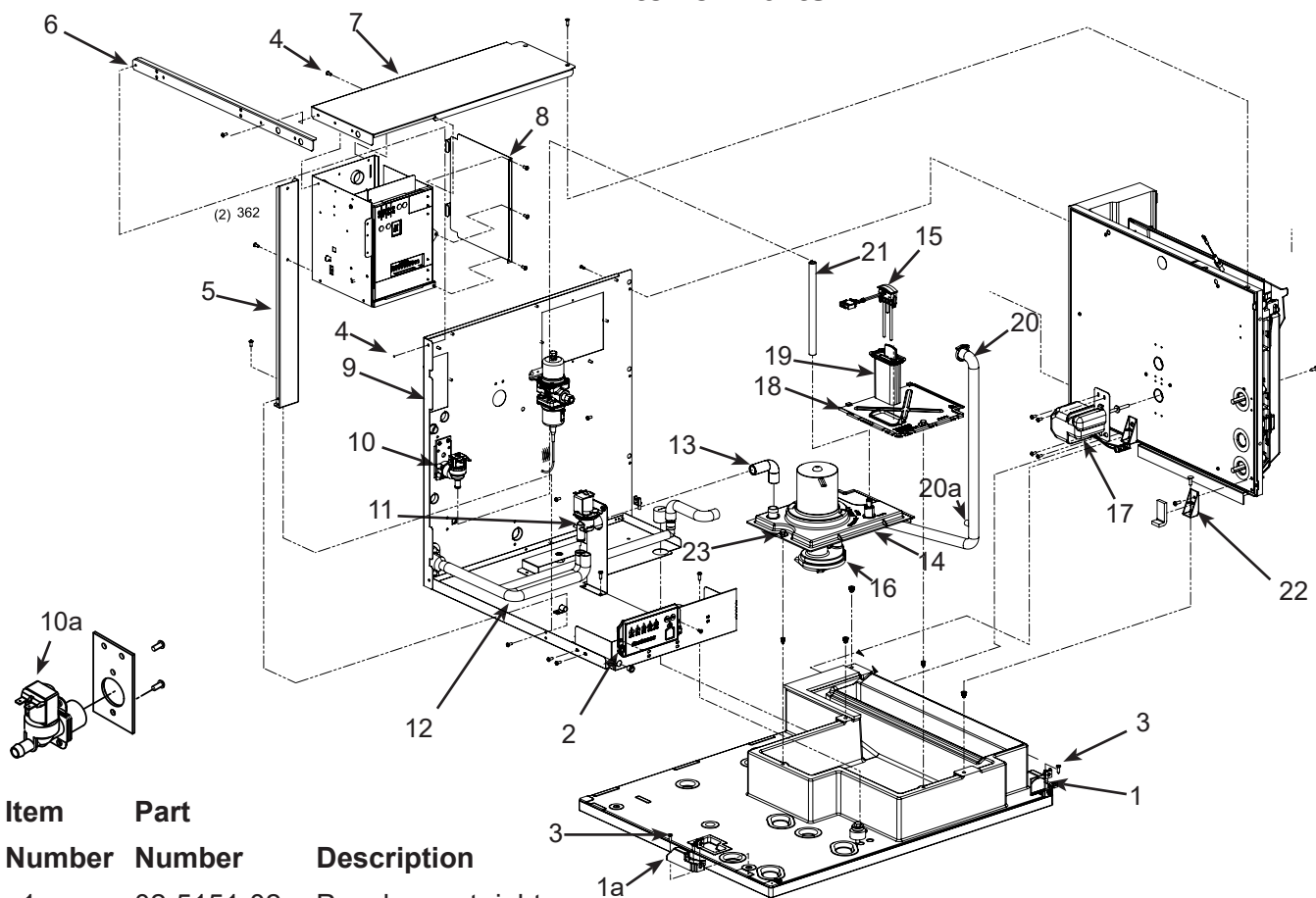
Cabinet - MC0830X, MC1030X



Item Number	Part Number	Description	Item Number	Part Number	Description
1	A41142-021	Top panel	13	A41143-026	Left side panel, air
2	A41144-022	Right side panel		A41143-024	Left side panel, water
3	02-4336-02	Right side liner	14	03-1404-10	Screw
3a	A40511-001	Liner bracket	15	02-5142-01	Bezel with standard door
4	02-4240-02	Evaporator cover	15a	02-5143-01	Door, bezel
5	03-0727-05	Thumbscrew	15b	02-5143-02	Door, bezel secure
6	A41141-023	Front panel, AC*	16	02-4824-01	Spacer
	A41141-024	Front panel, WC, RC*	17	03-1731-02	
7	02-4212-03	Air filter	18	03-1731-04	Cupped washer
8	03-1419-26	Screw	18a	03-1731-03	Spring
9	02-5154-01	Emblem	18b	03-3838-02	Screw
10	03-1735-03	Screw	19	A30911-015	Machine straps
11	02-4224-03	Louvers	20	03-1405-15	Screw
11A	03-1419-26	Screw	21	02-5140-01	Top left corner
12	02-5141-01	Bottom left corner	21a	02-5140-02	Top right corner
12a	02-5142-02	Bottom right corner	* Front panels are complete, including air filters and all trim, bezels, labels and screws.		

MC0330X, MC0530X, MC0630X, MC0830X, MC1030X Service Parts

Interior Parts



Item Number	Part Number	Description
1	02-5151-02	Panel mount right
1a	02-5151-01	Panel mount left
2	11-0622-21	Light & switch panel
3	03-1404-18	Screw
4	03-1531-01	Screw
5	A38607-001	Strut, 0330-630
	A38629-001	Strut, 0830, C1030
6	A40282-001	Left side channel
7	A40283-001	Control box top
8	A38537-001	Control box side
9	Back panel, see page 14-15	
10	12-3124-01	Inlet water sol vlv, 115 volt
	12-3124-02	Inlet water sol vlv, 230 volt
	12-2912-01	Water valve rebuild kit
10a	11-0568-02	Inlet water sol vlv, CE mod
11	11-0564-01	Purge valve, 115 volt
	11-0564-02	Purge valve, 230 volt
12	A38860-002	Drain tube
13	A38860-001	Drain hose
14	02-4164-01	Water pump bracket
15	A41192-001	Water level sensor

16 see table Water pumps

Models	115 volt	208-230/60	50 Hz
0330, 0530	12-2919-21	12-2919-22	12-2919-26
0630	-	12-2919-22	12-2919-26
0830, 1030	-	12-2920-23	12-2920-25

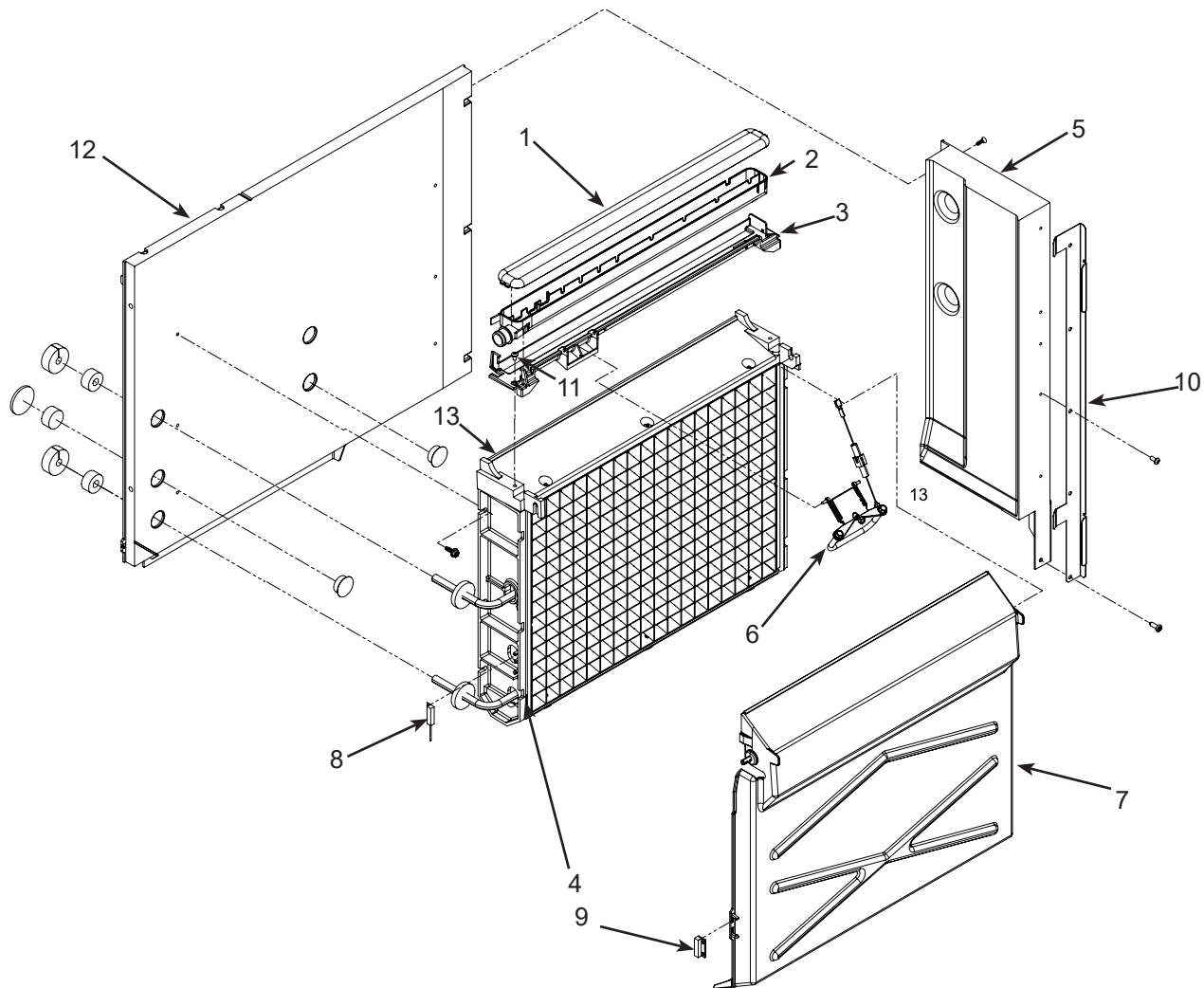
17 see table Harvest assist mechanism

Models	115 volt	208-230 volt
0330, 0530	12-3060-21	12-3060-22
0630, 0830, 1030	-	12-3060-22

18	02-4647-01	Sump cover, use/w item 19
19	02-4646-01	WLS guard, use/w item 18
20	02-4154-03	Pump hose, 0830-1030
	02-4154-02	Pump hose, 0530-0630
	02-4154-01	Pump hose, 0330
20a	11-0515-21	Temp sensor set
21	13-0674-02	Fill hose order by ft
	15-0821-01	Fill hose, -6 CE models
22	02-4152-01	Gusset
23	03-0727-05	Thumbscrew

MC0330X, MC0530X, MC0630X, MC0830X, MC1030X Service Parts

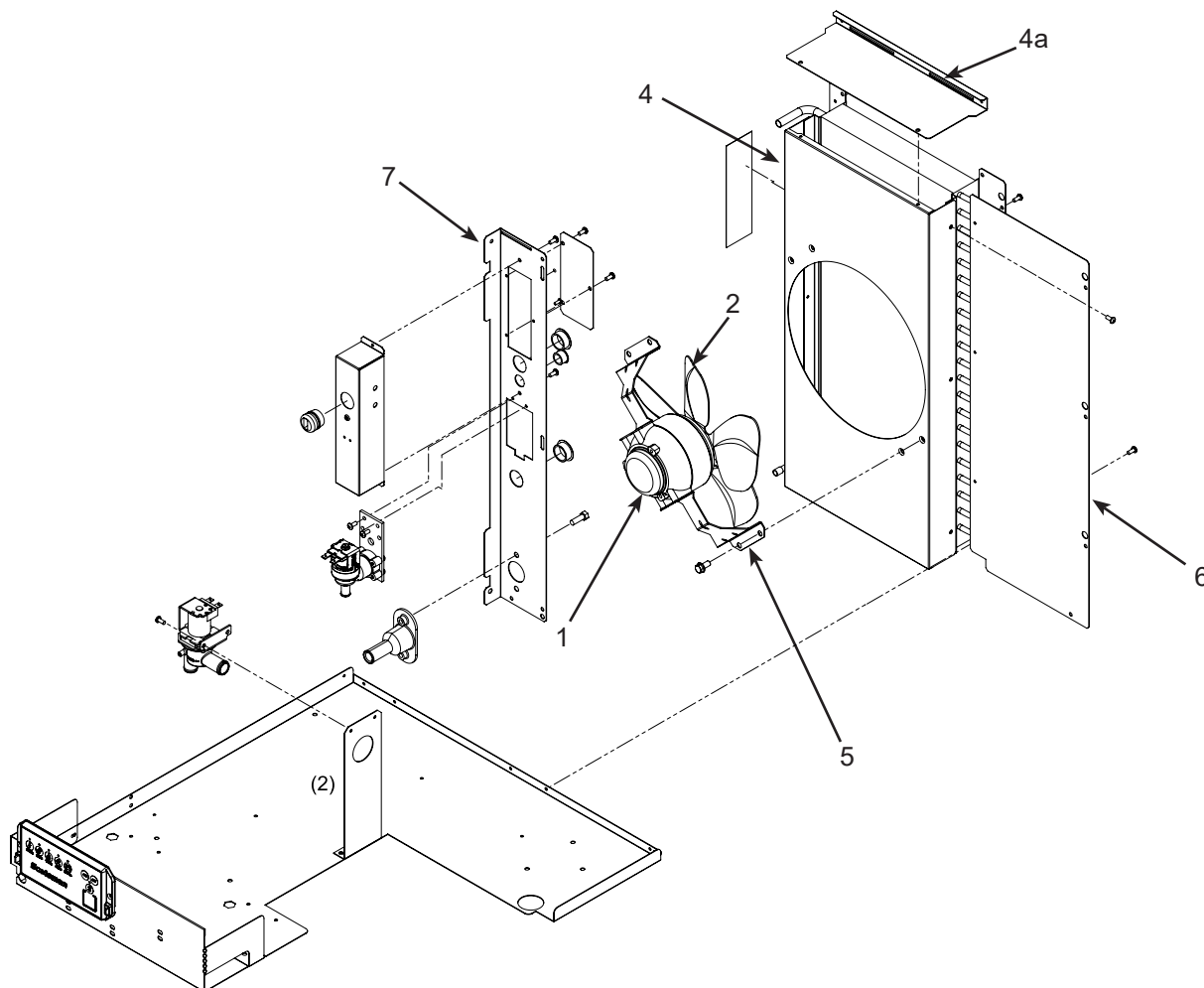
Evaporator Compartment



Item	Part			
Number	Number	Description		
1	02-4065-01	Water distributor cover		
2	02-4064-01	Water distributor		
3	02-4205-01	Mounting bracket		
4	see table	Evaporator		
			7	02-4100-31 Curtain, 0330
				02-4100-32 Curtain, 0530, 0630
			7a	02-4611-21 Curtain, 0830, 1030
			8	11-0563-01 Curtain switch
			9	11-0563-02 Curtain switch magnet
			10	A39560-001 Liner retainer, short*
				A39584-001 Liner retainer long*
			11	03-1418-30 Mounting screw
			12	13-0943-01 Gasket tape
			13	02-4156-21 Spillway replacement kit
5	A38596-001	Back wall, 0330, 0530, 0630	Note: Item 7 includes item 9, shipped loose. Item 7a magnet is molded into curtain. Short is 0330, 0530, 0630. Long is 0830 & 1030.	
	A38598-001	Back wall, 0803, 1030		
6	A41191-001	Ice thickness sensor		

MC0330X, MC0530X, MC0630X, MC0830X, MC1030X Service Parts

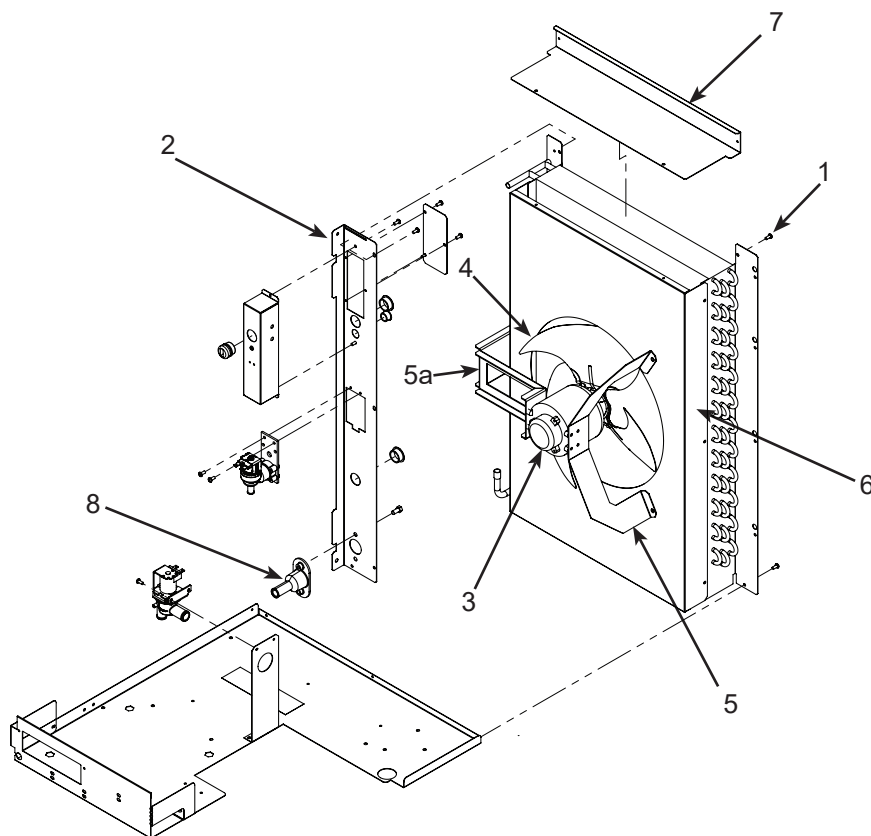
Fan and Condenser Area MC0330X Air Cooled



Item Number	Part Number	Description
1	12-3230-01	Fan motor, 0330, 115 volt
	12-3230-02	Fan motor, 0330, 230 volt
2	18-8836-01	Fan blade, 0330
3	02-3692-21	Drain adapter - also for WC and RC
4	A39350-001	Fan shroud, 0330
4a	A39593-001	Fan shroud top
5	A38480-001	Fan motor bracket, 0330
6	A39606-001	Back panel
7	A40418-001	Utility channel, (Air Cooled)

MC0330X, MC0530X, MC0630X, MC0830X, MC1030X Service Parts

Fan and Condenser Area MC0530X thru MC0830X Air Cooled

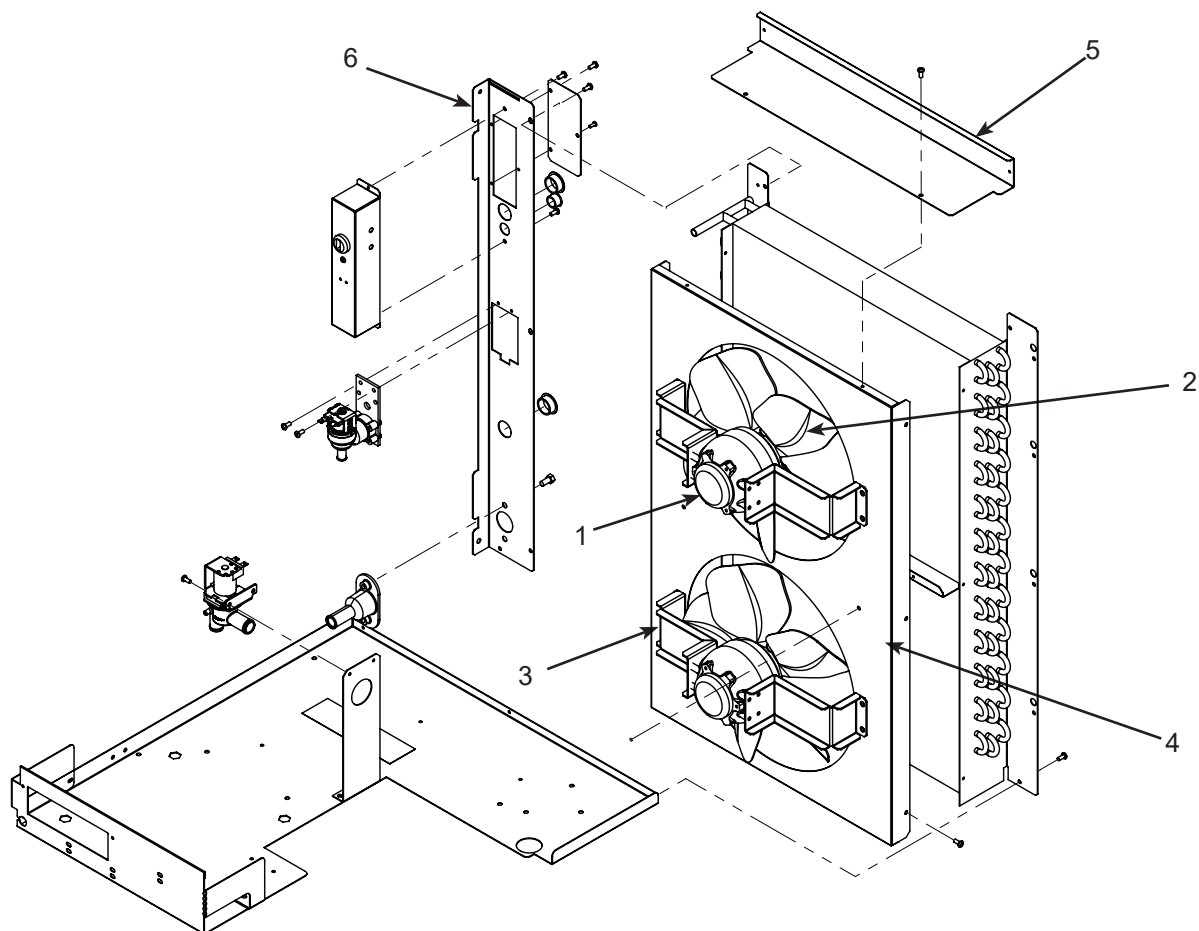


Item Number	Part Number	Description	Voltage/Hz	Fits Model	Fits series
1	03-1531-01	Screw		all	
2	A40420-001	Utility channel		0830-1030	
3	12-3230-01	Fan motor	115/60	0530-1	
	12-3245-01	Fan motor	208-230/60	0530, 0630. 0830-32,-3	
4	18-8882-01	Fan blade		0530, 0630, 0830	
5	A40156-001	Fan motor bracket, right		0530, 0630, 0830	*
5a	A40148-001	Fan motor bracket, left		0530, 0630, 0830,	*
6	A40146-001	Fan shroud		0530, 0630	*
	A40147-001	Fan shroud		0830	*
7	A39608-001	Shroud top		0530, 0630	
	A39601-001	Shroud top		0830	
8	02-3692-21	Drain adapter		all	

* Fan blade is .25" from end of shaft.

MC0330X, MC0530X, MC0630X, MC0830X, MC1030X Service Parts

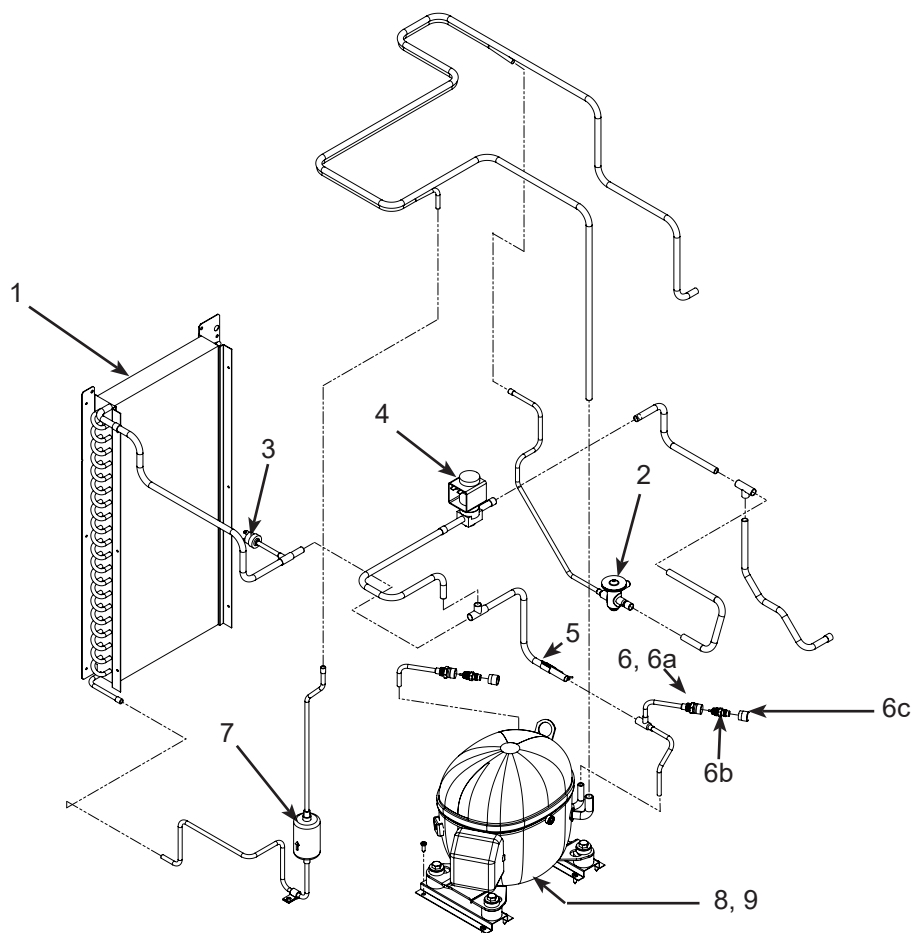
Fan and Condenser Area MC1030X Air Cooled



Item Number	Part Number	Description	Voltage/Hz	Fits Model	Fits series
1	18-8899-01	Fan motor	208-230/60	MC1030X-32, -3	
	18-8899-06	Fan motor	230/50	MC1030X-6	
2	18-8900-01	Fan blade	-	MC1030X	
3	A38655-001	Fan motor bracket		MC1030X	
4	A39609-001	Fan shroud		MC1030X	
5	A39610-001	Fan shroud top		MC1030X	
6	A40420-001	Utility channel		MC0830X-1030	

MC0330X, MC0530X, MC0630X, MC0830X, MC1030X Service Parts

Air Cooled Refrigeration System



Item Number	Part Number	Description
1	18-8890-01	Condenser, AC, 0330
	18-8935-01	Cond, AC, 0530
	18-8936-01	Condenser, AC, 0630
	18-8895-01	Condenser, AC, 0830, 1030
2	16-1183-02	TXV, 0330
	16-1261-02	TXV, 0530
	16-1261-03	TXV, 0630
	16-1260-01	TXV, 0830, 1030
	19-0599-06	Insulation, TXV
3	11-0566-24	Fan cycle pressure sw.
4	11-0493-02	Hot gas valve, 115 volt
	12-2719-21	115 volt coil
	11-0493-01	Hot gas valve, 230 volt
	12-2719-22	230 volt coil
	12-2733-30	HGV rebuild kit
5	11-0515-21	Thermistor
	16-1137-01	3/8" Valve body
	16-1138-01	1/4" Valve body
6	16-1139-01	Core
	16-1140-01	Cap
	02-3319-01	Dryer 0330 thru 0630
7	02-3319-02	Dryer 0830 & 1030
	see page 15	Compressors
8	see page 15	Compressor mounting hdw
9	see page 15	Compressor mounting hdw

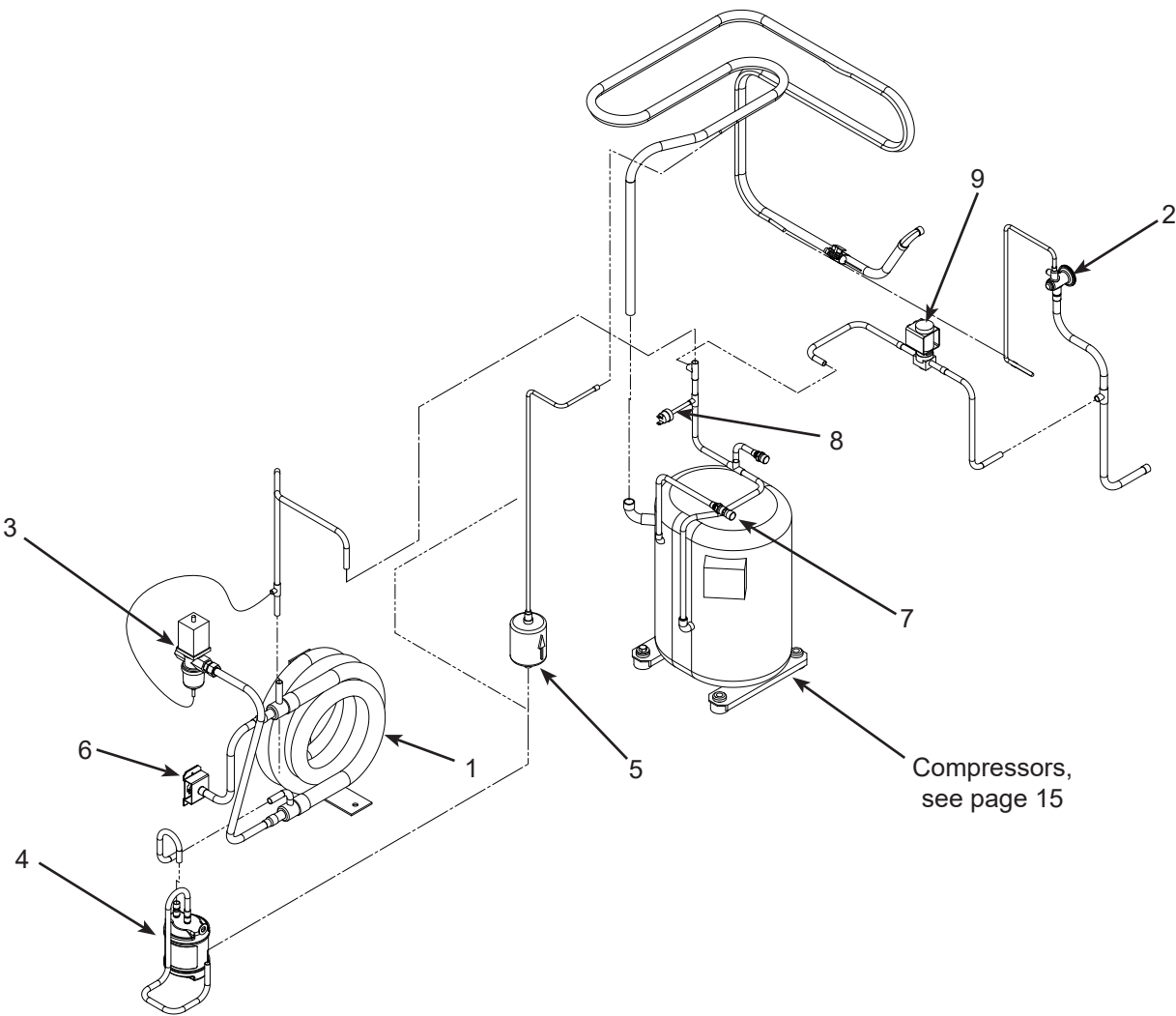
Water Cooled Refrigeration System MC0330X thru MC0830X



10	11-0501-21	High pressure cut out
MC0830X		
11	11-0493-02	Hot gas valve, 115 volt
	11-0493-01	Hot gas valve, 230 volt
	12-2719-22	230 volt coil
	12-2733-30	HGV rebuild kit

MC0330X, MC0530X, MC0630X, MC0830X, MC1030X Service Parts

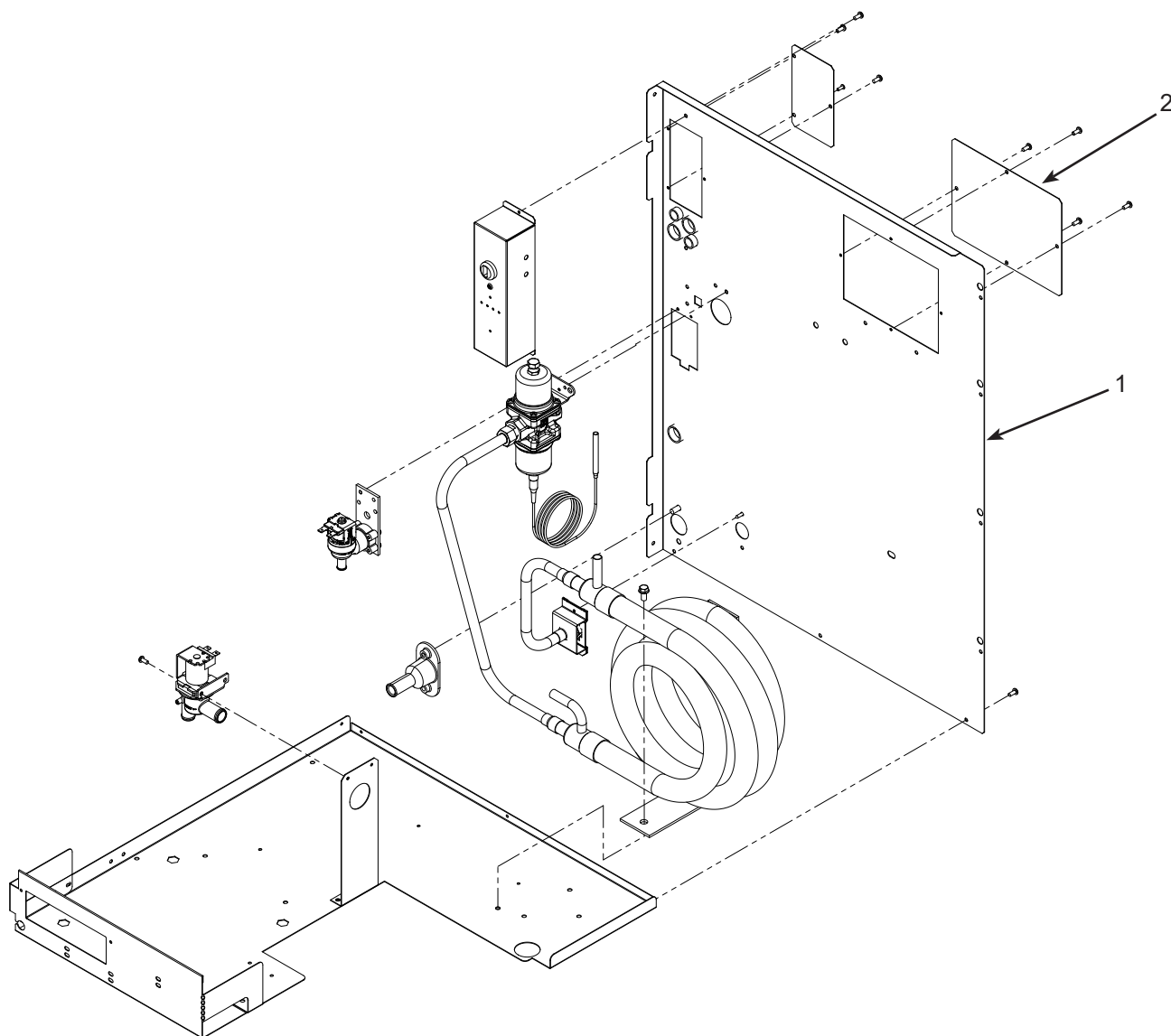
Water Cooled Refrigeration System MC1030X



Item Number	Part Number	Description
1	18-8893-21	Condenser, WC, 1030
2	16-1260-01	TXV 1030
	19-0599-06	Insulation TXV
3	11-0608-25	Water regulating valve
4	16-0874-01	Receiver, 830, 1030
5	02-3319-02	Dryer, 1030
6	A31828-002	Condenser drain
7	16-1137-01	Valve body 3/8"
7a	16-1138-01	Valve body 1/4"
	16-1139-01	Core (for item #7)
	16-1140-01	Cap (for item #7)
	8	11-0501-21 High pressure cut out
	9	11-0493-01 Hot gas valve, 230 volt
		12-2719-22 230 volt coil
		12-2733-30 HGV rebuild kit

MC0330X, MC0530X, MC0630X, MC0830X, MC1030X Service Parts

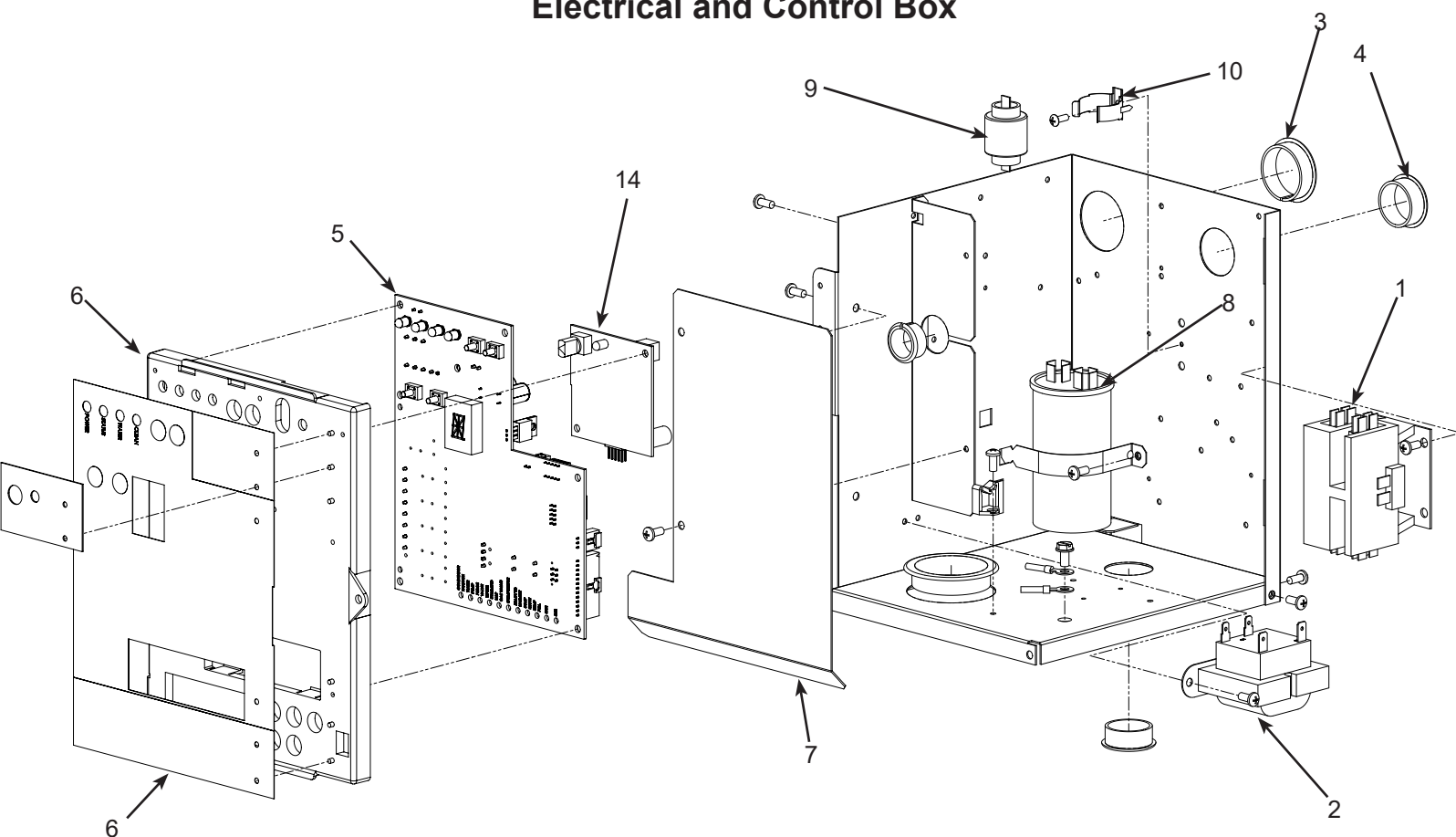
Water Cooled Back Panel



Item	Part	
Number	Number	Description
1	A40515-001	Back pnl, WC, RC - 0330, 0530, 0630,
	A40654-001	Back pnl. cover WC
	A40522-001	Back pnl, WC, RC 0830
	A40522-001	Back pnl, WC, RC 1030
	A40416-001	Back pnl, RC - D series, 23"
2	A40654-001	Cover, water cooled models

MC0330X, MC0530X, MC0630X, MC0830X, MC1030X Service Parts

Electrical and Control Box



Item Number	Part Number	Description	Item Number	Description
1	12-3220-01	Contactor, 115 volt	9	see next page PTCR -
	12-3220-02	Contactor, 230, single ph	10	18-8835-02 Bracket
	12-2533-02	Contactor, three phase	Wiring Harnesses (not illustrated)	
2	12-2924-01	Transformer, 115 volt	11	12-2931-01 Power harness, A & W
	12-2924-02	Transformer, 230 volt	Power harness connects to J1 on controller	
3	12-1213-11	Snap bushing	12	12-3228-01 Hi voltage harness
4	12-1213-15	Snap bushing	Hi voltage harness has the 8 pin connector	
5	11-0662-21	Controller for MC cubers	13	12-3185-02 WLS harness
6	02-5168-01	Control box door	14	KVS Vari-smart ice level control
	02-5166-01	Overlay label	15	KSBUN
7	A39216-001	Barrier		
8	see next page Run capacitor			

MC0330X, MC0530X, MC0630X, MC0830X, MC1030X Service Parts

Compressors

Model	Series	Electrical	Compressor	Overload	Run Capacitor	PTCR
MC0330X-1		115/60/1	18-8948-21	18-8948-50*	18-1902-64*	18-8835-01*
MC0330X-32		208-230/60/1	18-9010-21	18-8948-51*	18-1902-30*	18-8835-01*
MC0530X-1		115/60/1	18-8948-21	18-8948-50*	18-1902-64*	18-8835-01*
MC0530X-32		208-230/60/1	18-9010-21	18-8948-51*	18-1902-30*	18-8835-01*
MC0630X-32		208-230/60/1	18-9007-22	internal	18-1902-74*	18-8835-01*
MC0830X-32		208-230/60/1	18-9008-22	internal	18-1902-63*	18-8835-01*
MC0830X-3		208-230/60/3	18-8813-25	internal	-	-
MC1030X-32		208-230/60/1	18-8726-23	internal	18-1902-63*	18-8835-01*
MC1030X-3		208-230/60/3	18-8726-25	internal	-	-

* Replacement compressors include selected components and a filter dryer. They may also include other components used only on other models. CS type compressors include fittings to adapt to prior tubing sizes.

MC0330X, MC0530X, MC0630X, MC0830X, MC1030X Service Parts

Compressor Mounting Hardware / Crankcase Heater

Model	Series	Bolt	Washer	Grommet	Sleeve
MC0330X		03-1405-20	03-1407-07	18-4700-28	18-0108-41
MC 0330 or 0530		03-1405-20	03-1407-07	18-2200-28	18-2200-27
MC0630X		03-1405-20	03-1407-07	18-2200-28	18-2200-27
MC0830X or 1030		03-1405-20	03-1407-07	18-2300-27	18-2300-26

MC0330X, MC0530X, MC0630X, MC0830X, MC1030X Service Parts

Wiring Diagram MC0330X, MC0530X or MC0630X

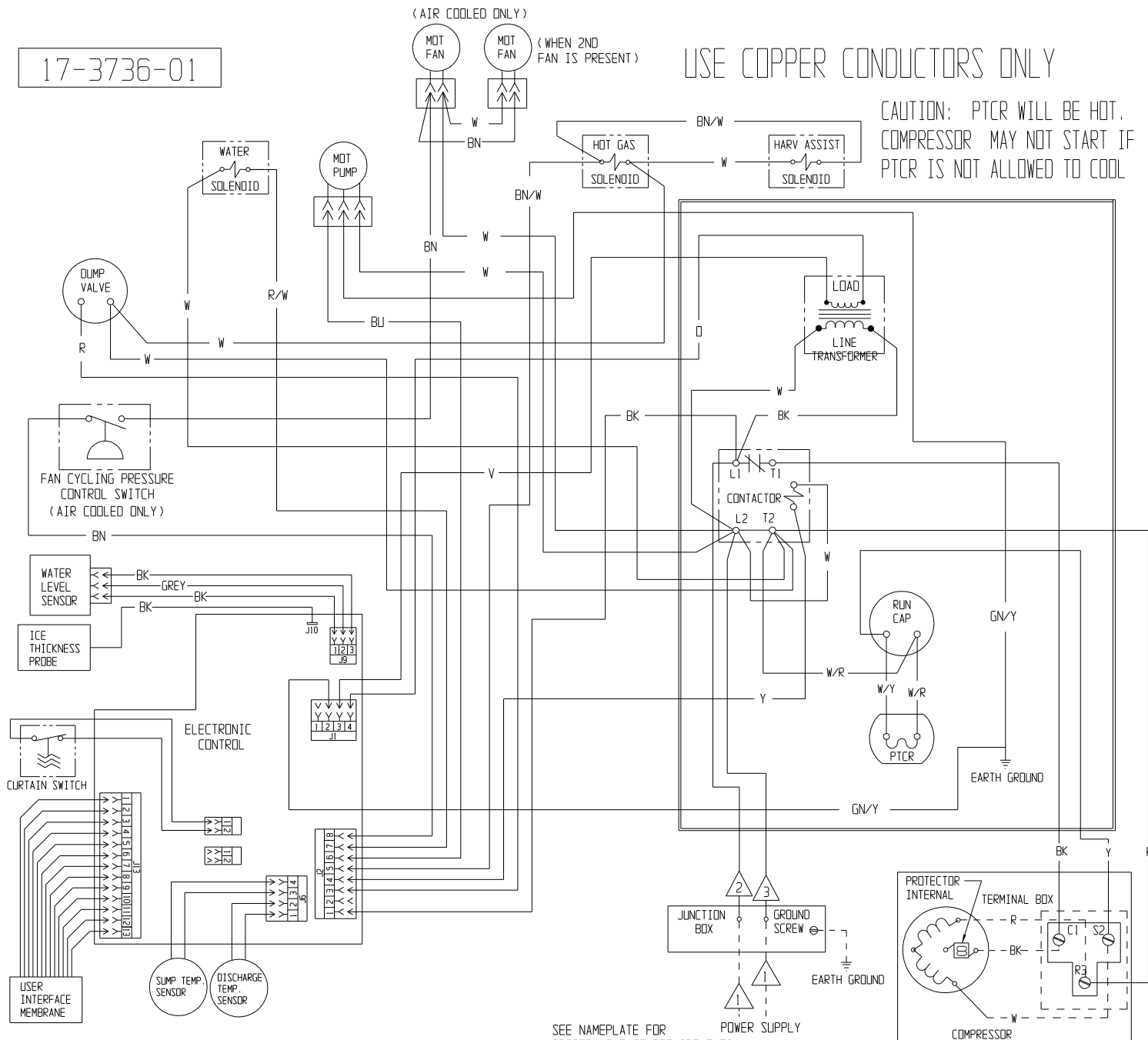
17-3736-01

(AIR COOLED ONLY)

(WHEN 2ND FAN IS PRESENT)

USE COPPER CONDUCTORS ONLY

CAUTION: PTCR WILL BE HOT. COMPRESSOR MAY NOT START IF PTCR IS NOT ALLOWED TO COOL



CAUTION:

SEE NAMEPLATE FOR PROPER VOLTAGE REQUIREMENTS AND MAXIMUM FUSE SIZE
MORE THAN ONE DISCONNECT MEANS MAY BE REQUIRED TO DISCONNECT ALL POWER TO THIS UNIT.

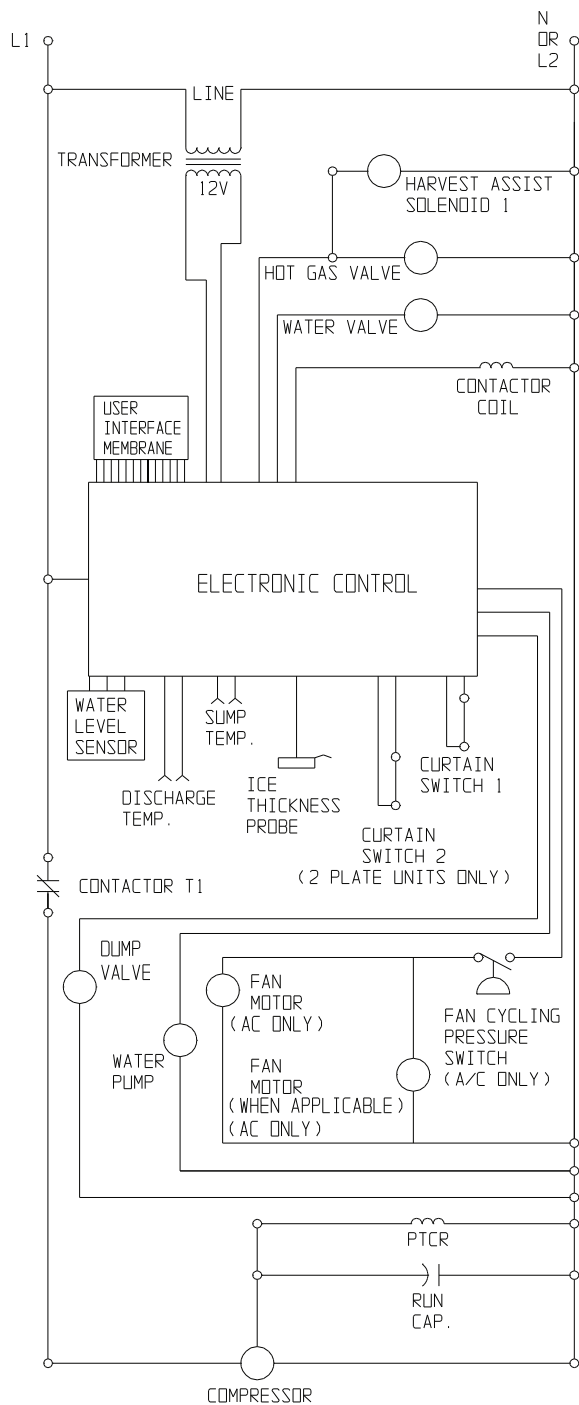
- ⚠ WIRE COLOR FOR 115/60/1 UNITS: WHITE
WIRE COLOR FOR 208-230/60/1 EXCEPT CR UNITS: BLACK W/WHITE STRIP
WIRE COLOR FOR ONLY CR0630 UNITS: BROWN

⚠ DASHED LINES INDICATE FIELD WIRING WHICH MUST BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND ALL STATE AND LOCAL CODES.

⚠ WIRE COLOR FOR 208-230/60/1 AND 115/60/1 UNITS: BLACK

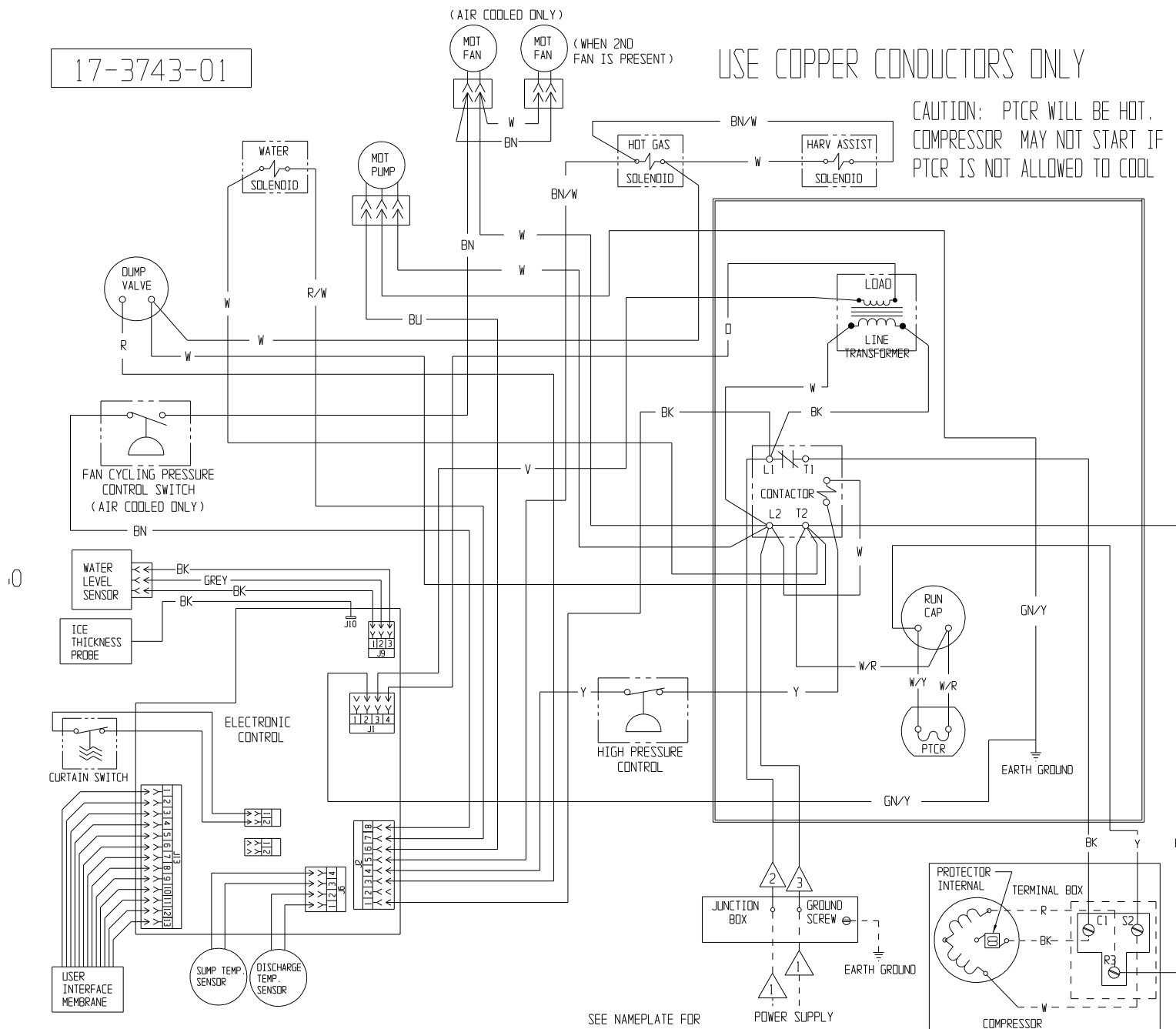
MC0330X, MC0530X, MC0630X, MC0830X, MC1030X Service Parts

Schematic Diagram MC0330X, MC0530X or MC0630X



Wiring Diagram MC0830X MC1030X Air or Water -32

CAUTION: PTCR WILL BE HOT.
COMPRESSOR MAY NOT START IF
PTCR IS NOT ALLOWED TO COOL.



SEE NAMEPLATE FOR PO
PROPER VOLTAGE REQUIREMENTS
AND MAXIMUM FUSE SIZE

CAUTION: PROPER VOLTAGE REQUIREMENTS
AND MAXIMUM FUSE SIZE
MORE THAN ONE DISCONNECT MEANS MAY BE
REQUIRED TO DISCONNECT ALL POWER TO THIS UNIT.

THIS UNIT MUST
BE GROUNDED.

- 3 WIRE COLOR FOR 115/60/1 UNITS: WHITE
WIRE COLOR FOR 208-230/60/1 EXCEPT CR UNITS: BLACK W/WHITE STRIP
WIRE COLOR FOR ONLY CR0322, CR0522, CR0630 AND CR1030 UNITS:
BROWN

- ① DASHED LINES INDICATE FIELD WIRING WHICH MUST BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND ALL STATE AND LOCAL CODES.
- ② WIRE COLOR FOR 208-230/60/1 AND 115/60/1 UNITS: BLACK

Schematic Diagram MC0830X MC1030X Air or Water -32

